



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Charles T. Esmon and Jun Xu

Serial No.: 09/139,425

Art Unit: 1643

Filed: August 25, 1998

Examiner: W. Sandals

For: *TARGETING OF MOLECULES TO LARGE VESSEL
ENDOTHELIUM USING PCR*

Assistant Commissioner for Patents
Washington, D.C. 20231

10/B
M.G.J
4/3/00

AMENDMENT

Sir:

Responsive to the Office Action mailed October 21, 1999, please amend the application as follows.

In the Claims

- Sub C1
1. (twice amended) A method for selectively delivering molecules to the nucleus of endothelium of the large vessels, comprising
- administering a conjugate of an agent binding selectively to endothelial protein C receptor (EPCR) and the molecule to be delivered to large vessel endothelial cells, wherein the molecules are delivered to the nucleus of the large vessel endothelial cells where they are active.
- B1
- Sub C2
5. (twice amended) The method of claim 1 wherein the molecule to be delivered is a nucleic acid molecule and the nucleic acid molecule is a gene or cDNA under the control of a promoter expressed in the nucleus of an endothelial cell and the nucleic acid molecule is delivered directly to the endothelium of large vessels.
- B2